Appl. No. 10/044,484 Amdt. dated July 28, 2004 Reply to Office Action of April 28, 2004

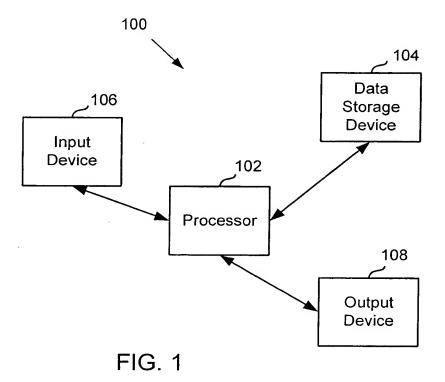
Amendments to the Drawings:

The attached 6 sheets of drawings include changes to Figs. 4-7. Tables have been added to Figs. 4-6 and a label has been added to Fig. 7. No substantive changes have been made to Figs. 1-3, and no new matter has been added to any figure. These sheets replace the original sheets that included Figs. 1-7.

Attachment: Replacement Sheets



Application No.: 10/044,484 Applicant: Larry C. Frame, et al Title: METHODS AND SYSTEMS FOR EXTRACTING RELATED INFORMATION FROM FLAT FILES Sheet 1 of 6 Replacement Sheet



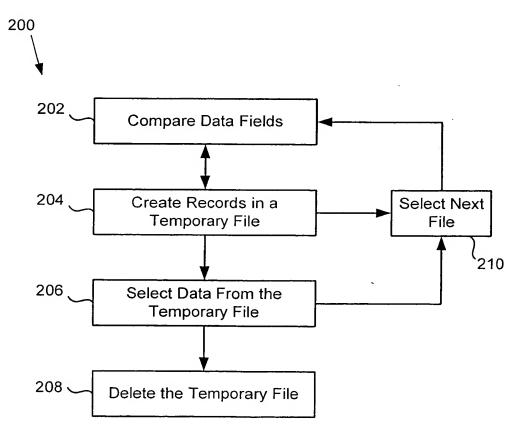


FIG. 2



Application No.: 10/044,484
Applicant: Larry C. Frame, et al
Title: METHODS AND SYSTEMS FOR EXTRACTING RELATED
INFORMATION FROM FLAT FILES Sheet 2 of 6

Replacement Sheet

202

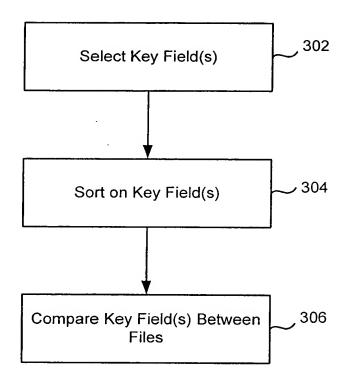


FIG. 3



Application No.: 10/044,484 Applicant: Larry C. Frame, et al Title: METHODS AND SYSTEMS FOR EXTRACTING RELATED INFORMATION FROM FLAT FILES Sheet 3 of 6

Replacement Sheet

AEROBICS AMES BETTY ~~ 408 **AEROBICS GILLOGY ROBERTA AEROBICS HAYES** TINA K **AEROBICS SCHILLER** SMITTY SOFTBALL AMES BETTY **~**409 SOFTBALL ANDERSON HOOPER P SOFTBALL CLOWN **BOZO T** SOFTBALL **DEARING JAMES** SOFTBALL **FILIPOWICZ** FRED B SOFTBALL FINK RONALD D SOFTBALL **FLEMING** HOWARD W SOFTBALL GILLOGY ROBERTA SOFTBALL **HAYES** TINA K SOFTBALL HOPKINS HAROLD D SOFTBALL **JAMIL FARRUKH** SOFTBALL LAURENCE ~~ 412 PETERSEN SOFTBALL **PETERSON** GREG K SOFTBALL ROTH BARB G SOFTBALL SCHILLER SMITTY SOFTBALL VISHWANATHA JAMBOOR K SOFTBALL VIVIANO ALFRED G SWIMMING **AMES** ~410 BETTY SWIMMING ANDERSON HOOPER P **SWIMMING CLOWN BOZO T SWIMMING DEARING JAMES SWIMMING FILIPOWICZ** FRED B SWIMMING **FLEMING HOWARD W GILLOGY SWIMMING** ROBERTA SWIMMING **HAYES** TINA K SWIMMING **HOPKINS** HAROLD D SWIMMING PETERSEN LAURENCE ~~ 414 SWIMMING **PETERSON GREG K SWIMMING** VIVIANO ALFRED G TAE-KWON-DO ANDERSON HOOPER P TAE-KWON-DO CLOWN **BOZO T** TAE-KWON-DO FLEMING **HOWARD W**

TAE-KWON-DO GILLOGY

TAE-KWON-DO HOPKINS

TAE-KWON-DO VISHWANATHA JAMBOOR K

404

TAE-KWON-DO HAYES

TAE-KWON-DO JAMIL

402

Reference	
Number	Label
400	Activity File
402	Activity Field
404	Last Name Field
406	First Name Field
408, 409,	Records Having
410	"Betty Ames"
	Records Having
	"Laurence
412, 414	Petersen"

400

FIG. 4

ROBERTA

HAROLD D

FARRUKH

406

TINA K



500

Application No.: 10/044,484 Applicant: Larry C. Frame, et al Title: METHODS AND SYSTEMS FOR EXTRACTING RELATED INFORMATION FROM FLAT FILES Sheet 4 of 6

Sheet 4 of 6 Replacement Sheet

Reference	
Number	Label
500	Address File
502	Last Name Field
504	First Name Field
	Street Address
506	Field
508	City Field
510	Zip Code Field
	Phone Number
512	Field

																			Referen	Number	0	Onc	502	504		
555-1234	555-0001	555-9032	555-0091	555-0790	555-0050	555-0921	555-3401	555-1204	555-0340	555-0300	555-2093	555-9991	555-0991	555-6602	555-3056	555-2203	555-2947	555-0901	555-1112	555-0340	555-9903	555-0000	J	~	512	
68124	68123	68134	68138	68123	68134	68134	68123	68123	68124	68134	68046	68127	68022	68134	68137	68134	68122	68134	68046	68029	68134	68164	J	~	510	
OMAHA	BELLEVUE	OMAHA	OMAHA	BELLEVUE	OMAHA	OMAHA	BELLEVUE	BELLEVUE	OMAHA	OMAHA	PAPILLION	RALSTON	ELKHORN	OMAHA	OMAHA	OMAHA	OMAHA	OMAHA	PAPILLION	SPRINGFIELD	OMAHA	OMAHA	J	~	508	
2612 WOOLWORTH AV	421 RIDGEWATER WAY	513 CLEVELAND ST	1417 MADISON ST	9678 V PLZ	4832 MANDERSON ST	6214 N 114 ST	2625 VIRGINIA ST	4201 S 40 AV	7214 S 40 ST	318 CALIFORNIA ST	11402 RALEIGH ST	1176 CHARLES DR	13105 LARIMORE CIR	6803 N 68 PLZ	1329 S 146	2629 WEBER ST	7235 N 79 PLZ	8324 CUMING ST	905 PERRY ST	12501 COTTONWOOD LN	15122 NORMANSY AV	1630 N 107 AV	_	~	206	
JILL	ш. Э	HOWARD W	DOUG	Σ	ROBERTA	ROBERT	DIANE K	TINA K	HAROLD D	FARRUKH	CHARLES D	LORIQ	THOMAS		GREG K	THOMAS A	GERALDINE R	OTTOJE		ALFRED G	JULIEQ	STEPHANIE	_	~	504	
CLEMENTS	FILIPOWICZ	FLEMING	FRAHM	GATES	GILLOGY	GOTTSCH	HAMILTON	HAYES	HOPKINS	JAMIL	KAVA	LINDBERG	MANGAN	PETERSEN	PETERSON	SANDERS	SCHULTE	STRECKER	VISHWANATHA	VIVIANO	WHITE	ZAHN	_	~	502	

FIG. 5

Application No.: 10/044,484 Applicant: Larry C. Frame, et al Title: METHODS AND SYSTEMS FOR EXTRACTING RELATED INFORMATION FROM FLAT FILES Sheet 5 of 6 Replacement Sheet



555 0050	555-0030	555-1204	2508-666	555-0050	555-1204	555-0340	555-0300	555-3056	555-1112	555-0340	555-9032	555-0050	555-1204	555-0340	555-3056	555-0340	555-9032	555-0050	555-1204	555-0340	555-1112	-	512
68134	68123	60107	00134	68134	68123	68124	68134	68137	68046	68029	68134	68134	68123	68124	68137	68029	68134	68134	68123	68124	68046	<u>~</u>	510
OMAHA	REI FVIE		Z	OMAHA	BELLEVUE	OMAHA	OMAHA	OMAHA	PAPILLION	SPRINGFIELD	OMAHA	OMAHA	BELLEVUE	OMAHA	OMAHA	SPRINGFIELD	OMAHA	OMAHA	BELLEVUE	OMAHA	PAPILLION	<u>~</u>	200 200
4832 MANDERSON ST	4201 S 40 AV	513 CLEVELAND ST		4832 MANDERSON ST	4201 S 40 AV	7214 S 40 ST	318 CALIFORNIA ST	1329 S 146	905 PERRY ST	12501 COTTONWOOD LN	513 CLEVELAND ST	4832 MANDERSON ST	4201 S 40 AV	7214 S 40 ST	1329 S 146	12501 COTTONWOOD LN	513 CLEVELAND ST	4832 MANDERSON ST	4201 S 40 AV	7214 S 40 ST	905 PERRY ST	<u></u>	506
ROBERTA	TINAK	HOWARD W		ACBITA A	TINAK	HAROLD D	FARRUKH	GREG K	JAMBOOR K	ALFRED G	HOWARD W	ROBERTA	TINA K	HAROLD D	GRED K	ALFRED G	HOWARD W	ROBERTA	TINAK	HAROLD D	JAMBOOR K	<u>~</u>	504
GILLOGY	HAYES	FLEMING	700	GILLOGY	HAYES	HOPKINS	JAMIL	PETERSON	VISHWANATHA	VIVIANO	FLEMING	GILLOGY	HAYES	HOPKINS	PETERSON	VIVIANO	FLEMING	GILLOGY	HAYES	HOPKINS	VISHWANATHA	~	502
ROBERTA	TINA K	HOWARD W	A FORDOO	A L VI GOV	INAK	HAROLD D	FARRUKH	GREG K	JAMBOOR K	ALFRED G	HOWARD W	ROBERTA	TINA K	HAROLD D	GRED K	ALFRED G	HOWARD W	ROBERTA	TINA K	HAROLD D	JAMBOOR K	<u>~</u>	406
GILLOGY	HAYES	FLEMING	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	GEEOG	HAYES	HOPKINS	JAMIL	PETERSON	VISHWANATHA	VIVIANO	FLEMING	GILLOGY	HAYES	HOPKINS	PETERSON	VIVIANO	FLEMING	GILLOGY	HAYES	HOPKINS	VISHWANATHA	<u>~</u>	404
AEROBICS	AEROBICS	SOFTBALL	SOFTRALL	COLTDAL	SOFIBALL	SOFIBALL	SOFTBALL	SOFTBALL	SOFIBALL	SOFIBALL	SWIMMING	SWIMMING	SWIMMING	SWIMMING	SWIMMING	SWIMMING	TAE-KWON-DO	TAE-KWON-DO	TAE-KWON-DO	TAE-KWON-DO	TAE-KWON-DO	<u>~</u>	402

Keterence		Reference	
Number	Label	Number	Label
009	Address File	504	First Name Field
402	Activity Field	506	Street Address Field
404	Last Name Field 500	500	City Field
406	First Name Field 510	510	Zip Code Field
502	Last Name Field 512	512	Phone Number Field

-<u>1</u>G. 6



Application No.: 10/044,464
Applicant: Larry C. Frame, et al
Title: METHODS AND SYSTEMS FOR EXTRACTING RELATED
INFORMATION FROM FLAT FILES Sheet 6 of 6 Replacement Sheet

700

EXAMPLE OUTPUT

FLEMING HOWARD W GILLOGY ROBERTA JAMIL **FARRUKH**